

Product datasheet for **RC220304L2V**

PDE11A (NM_016953) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE11A (NM_016953) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE11A
Synonyms:	PPNAD2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016953
ORF Size:	2802 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220304).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_016953.2
RefSeq Size:	9305 bp
RefSeq ORF:	2802 bp
Locus ID:	50940
UniProt ID:	Q9HCR9
Cytogenetics:	2q31.2
Domains:	PDEase, GAF, HDc
Protein Families:	Druggable Genome



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Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 104.6 kDa

Gene Summary: The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a member of the PDE protein superfamily. Mutations in this gene are a cause of Cushing disease and adrenocortical hyperplasia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]